

A LIST OF *NEUROPTERA* COLLECTED IN THE ISLAND OF GUERNSEY.

BY W. A. LUFF.

The following list of Guernsey *Neuroptera* will probably be found capable of considerable augmentation, as there still remain certain streams and ponds which I have not yet searched for this Order of insects. The places I have mostly worked are the small rapid streams on the south coast, and a considerable extent of marshy land on the west coast, near Vazon Bay, called "La Grande Mare." This last is being, however, rapidly drained, the ponds are already filled in, and before many years elapse, this happy hunting ground of the botanist and entomologist will be changed into cultivated fields, or covered with glass houses for the production of grapes and tomatoes.

My best thanks are due to Mr. McLachlan for his kindness in examining and naming most of the specimens. He has added a few species not yet noticed by me, collected by himself in September, 1891 (*cf. ante* pp. 5—6), and by Mr. F. V. Theobald in 1890. These are included in brackets.

My list includes a few species taken in Guernsey many years ago by the late Dr. Mauger.

TRICHOPTERA.

[*Phryganea grandis*, L.—One ♀, Vale Quarry, F. V. T.].

Limnophilus flavicornis, Fab.—One specimen, taken in 1891 on L'Ancrese Common. *L. marmoratus*, Curt.—Two at the Grande Mare, Vazon, on October 11th, 1891. *L. lunatus*, Curt.—Dr. Mauger [Vale Quarry, F. V. T.]. *L. centralis*, Curt.—One at stream near the Grande Mare. *L. affinis*, Curtis.—Dr. Mauger. *L. hirsutus*, Pict.—Not uncommon.

Stenophylax concentricus (Zett.), McLach.—I have taken three specimens.

Halesus radiatus, Curt.—Dr. Mauger.

Sericostoma personatum, Spence.—Not common.

Goëra flavipes, Curt.—One.

Silo pallipes, Fab.—Common at Saints' Bay, Le Gouffre, and Petit Bo Bay.

Beræa maurus, Curt.—Very abundant, small streams on south coast.

Diplectrona felix, McLach.—Common, Saints' Bay, Petit Bo, and Le Gouffre.

Philopotamus insularis, McLach.—Abundant in spring and autumn in small rapid streams Petit Bo, Saints' Bay, and Le Gouffre.

Wormaldia occipitalis, Pict.—Abundant.

Plectrocnemia conspersa, Curt.—Saints' Bay and Petit Bo. *P. geniculata*, McLach.—Not common, south coast.

Tinodes assimilis, McLach.—Common, Saints' Bay.

Rhyacophila septentrionis, McLach.—Common, Petit Bo, Saints' Bay, and Le Gouffre.

Agapetus fuscipes, Curt.—Not uncommon.

NEUROPTERA-PLANIPENNIA.

Micromus variegatus, Fab.—Common. *M. paganus*, L.—One specimen.

Hemerobius limbatus, Wesm.—Common. [*H. orotypus*, Wallengr., R. McLach.].
H. nervosus, Fab.—Not common.

Chrysopa flavifrons, Brau.—Not common. *C. septempunctata*, Wesm.—Common. [*C. perla*, L.—Le Gouffre, F. V. T.].

Panorpa communis, L.—Rare; one specimen taken many years ago; [one ♀, Chêne, F. V. T.].

PSEUDO-NEUROPTERA.

PSOCIDÆ.

Clothilla pulsatoria, L.—Common amongst old books and papers.

Atropos divinatoria, Müll.—Of occasional occurrence.

Psocus variegatus, Fab.—One specimen. *P. bifasciatus*, Latr.—Not uncommon on old walls from July to September. *P. quadrimaculatus*, Latr.—Saw hundreds of specimens on a brick wall a few yards square in Mansell Street, St. Peter Port, during July, 1891. They were huddled together on the lines of mortar between the bricks.

Cæcilius pedicularius, L.—Beaten from hawthorn at Vazon, in October. *C. flavidus*, Steph.—Abundant in September and October. *C. obsoletus*, Steph.—Two, beaten from fir trees on October 18th, 1891. *C. Dalii*, McLach.—Not uncommon.

[*Stenopsocus cruciatus*, L.—R. McLach.].

Elipsocus Westwoodii, McLach.—One beaten from fir, October 18th, 1891.

[*Peripsocus phæopterus*, Steph., R. McLach.].

PERLIDÆ.

Neumora nitida, Pict.—Not uncommon. [*N. variegata*, Oliv., F. V. T.].

EPHEMERIDÆ.

Cloëon dipterum, L.—Common.

Baëtis rhodani, Pict.—I have taken several specimens.

ODONATA.

Sympetrum striolatum, Charp.—One specimen taken at the Grand Mare. *S. flaveolum*, L.—Several, Grande Mare and L'Anresse. [*L. scoticum*, Donovan.—One ♀, Chêne, F. V. T.].

Libellula quadrimaculata, L.—One specimen captured in St. Peter Port Harbour, and brought to me alive.

Orthetrum cærulescens, Fab.—Two specimens taken at the Grande Mare.

Cordulegaster annulatus, Latr.—Not common.

Anax formosus, Lind.—One of our commonest species, Grande Mare and L'Anresse.

Æschna mixta, Latr.—Two specimens. [*Æ. cyanea*, Müll.—One ♀, L'Anresse Common, F. V. T.].

Brachytron pratense, Müll.—One ♂, Dr. Mauger.

Calopteryx Virgo, L.—Abundant on the borders of streams, Talbot's Road, near King's Mills; I have not seen it elsewhere. [The examples belong to the "race méridionale" of De Selys, and not to the ordinary English form.—R. McL.].

Pyrrhosoma minium, Harris.—Very abundant at the Grande Mare.

Ischnura elegans, Lind.—Not uncommon.

Agrion pulchellum, Lind.—Common at the Grande Mare. *A. puella*, L.—One ♂.

Guernsey: *January 6th*, 1892.

ADDITIONAL NOTES ON THE NEUROPTERA OF THE ISLAND OF SARK.

BY ROBERT McLACHLAN, F.R.S., &c.

Since my notes at p. 6 *ante* were published, Mr. F. V. Theobald, B.A., F.E.S., has sent me a few species collected by him in Sark in 1890. I find among them the following species not hitherto recorded from that particular island, including several that have not been noticed in the Channel Islands generally, and which are otherwise interesting.

TRICHOPTERA.

Linnophilus vittatus, F.

Halesus digitatus, Schrk.—1 ♂.

Philopotamus insularis, McLach.—2 examples. It is thus made evident that this form is not confined to Guernsey, and indeed, Mr. Luff informs me that he now remembers having taken the insect some years ago at a very small swift stream at Point du Moulin in the west of the island. Sark is only six miles from Guernsey by sea, but there is often considerable difference in the insect productions of the two islands. As examples, *Argynnis Aglaia* and *Cænonympha Pamphilus* may be cited, both being common in Sark and apparently absent from Guernsey.

Rhyacophila dorsalis, Curt.—Two ♂ of this insect, which is so universally distributed on the British mainland and in Ireland. *R. munda*, McLach.—One ♂. A most interesting discovery. In England it seems to occur only in the Dartmoor and Exmoor districts, and its known distribution on the Continent is confined to the Département de l'Indre, where it has been found commonly by M. René Martin, of Le Blanc.

PSEUDO-NEUROPTERA.

Ephemera lineata, Eaton.—One ♀. A decidedly local species.

Æschna mixta, Latr.—One ♂, taken by Mr. Luff.

Lewisham, London: *January*, 1892.